

Client

A leading provider of comprehensive payment and image processing solutions

Offering

Test Automation Services using Silk Test and OBTAf

Company Overview

The Client is a leading provider of comprehensive payment and image processing solutions designed to help financial institutions and corporations deliver innovative products and services in an ever-changing payments landscape. These solutions enable item-based transactions to be digitally captured centrally or distributed (to ATMs, branches, merchant and corporate locations), processed, archived and exchanged for total data perfection.

Growth

Reduced time to market by 1/10 of the time

Efficiency

Gained more repetitive value of tests with higher accuracy through OBTAf and Silk Test

Cost

35-40% saving on Testing cost through testing automation and reduced time

The Challenges and Our Solutions

The client’s solution Electronic Cheque Presentment with Image Exchange (ECPIX) solution manages the complete settlement cycle with electronic data exchange (financial only or financial and image) through an electronic clearinghouse and participating commercial bank gateways. ECPIX undergoes new customizations as per their customer’s need due to which changes are done in existing system. This requires regression testing to be carried out more often. Hence, client posed the issue of executing huge regression suite in limited time.

Omnitech proposed test automation using Silk Test and OBTAf to address this issue. Omnitech’s proprietary framework “Omni Business Test Automation Framework (OBTAf)” is a hybrid framework, which uses business actions known as Keywords to maximize test coverage.

The challenges vis-à-vis solutions delivered by Omnitech are as below:

Challenge : The team consisted of non-technical (functional) testers with no/little knowledge of automation testing.

Solution : OBTAf bridges the gap between Business Expert, Automation Test Engineer and Manual Test Engineer by MS excel interface for design, batch schedule and execution of business scenarios.

Challenge : The applications had prolonged / period dependent tests (various business days). For eg: A particular transaction was to be done today and the verification of this will not be done after 2 days.

Solution : All prolonged/period tests were structured for execution with time awareness and proper data exchange for synchronization.

Challenge : The applications used a lot of custom controls which made it very difficult to automate them using standard test automation tools.

Solution : Simple custom controls were mapped to standard classes in Silk Test. In case of complex custom controls, the controls were standardized using user defined classes.

Challenge : The application used multiple machines for processing information. Hence automation was to be done on multiple machines.

Solution : Batch scripting was used to execute daily scheduled batches to run on multiple machines.

Benefits

Omnitech delivered the following benefits to the client :

- Tests were created using OBTAf and Silk Test for higher accuracy, enabling the execution in real world conditions with more repetitive value.
- The non-technical testers were able to create the automation tests using Business Keyword concept in MS excel giving them more power into the automation suite, which consequently helped to increase the effectiveness of testing.
- OBTAf framework uses layered approach for scripting and MOCK object concept for object identification; this helped them to bring down time required for scripting (Keywords scripts) as compared to traditional approaches.
- OBTAf created a customized execution result which was simple to read and summarize as compared to the one produced by test automation tool. This made result analysis simple and quick.
- Less test cycle time and no automation scripts maintenance over heads.
- Time to market is shortened by 1/10 of time.
- Client has been able to save 35-40% of costs on testing alone with a dramatic increase in the number of automated tests and decrease in amount of time taken to run the tests.

About Omnitech InfoSolutions

Omnitech InfoSolutions Ltd (BSE: 532882 NSE: OMNITECH) is a global IT services company embracing strong competencies in IT Outsourcing as well as Managed Services since last 2 decades. Omnitech leveraging innovation and operational excellence, deliver measurable business value to the global Emerging Enterprises as their Technology Transformation Partner. Committed to customer delight, we have established the best global credentials through the conduct of world class quality certifications like ISO 9001:2008, ISO 20000, ISO 27001-1 & 27000-2 and BS 25999.

Contact Omnitech InfoSolutions today for free consultation.

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